

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES INSTALLING APS AND COUNTDOWN PEDESTRIAN SIGNALS AT THE INTERSECTION OF US 13 BUSINESS (N. SALISBURY BOULEVARD) AND GORDY ROAD IN WICOMICO COUNTY. US 13B IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EXISTING PRE-EMPTION PHASES WILL REMAIN. A SIDE STREET ALTERNATE PEDESTRIAN PHASE IS PROPOSED.

APS WILL FUNCTION AS FOLLOWS:

FOR NORTH SALISBURY BOULEVARD

A. WHEN THE PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS NORTH SALISBURY BOULEVARD AT GORDY ROAD, CROSSWALK ANGLES LEFT".

B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL A 2 WIRE CENTRAL CONTROL UNIT WITHIN THE CABINET.

THE CONTACT PERSONS FOR DISTRICT #1 ARE AS FOLLOWS:

Ms. Gene Cofielel  
Assistant District Engineer - Traffic  
410-677-4040

Mr. Bruce W. Poole  
Assistant District Engineer - Utility  
410-677-4082

Mr. James R. Wright  
Assistant District Engineer - Maintenance  
410-677-4010

Mr. Richard L. Daff  
Chief, Traffic Operations Division  
410-787-7630

Mr. Ed Rodenhizer  
Chief, Signal Operations Division  
410-787-7652

The Power Company Representative is:  
Delmarva Power  
2530 N Salisbury Blvd.  
Salisbury, Maryland  
1-800-375-7117

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	2 SF	SHEET ALUMINUM SIGNS: 2 EA - R10-3(1) (9 IN. x 15 IN.) "PUSH BUTTON TO CROSS N. SALISBURY BLVD."

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
203030	2 CY	TEST PIT EXCAVATION
585462	180 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
585621	180 LF	12 INCH WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING LINES
800000	1 EA	2 WIRE CENTRAL CONTROL UNIT
800000	2 EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON
800000	2 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNTED
801004	2 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	40 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805135	40 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
813015	2 SF	INSTALL OVERHEAD SIGN
818004	2 EA	10 FOOT BREAKAWAY PEDESTAL POLE
837001	1 EA	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
861105	250 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	250 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

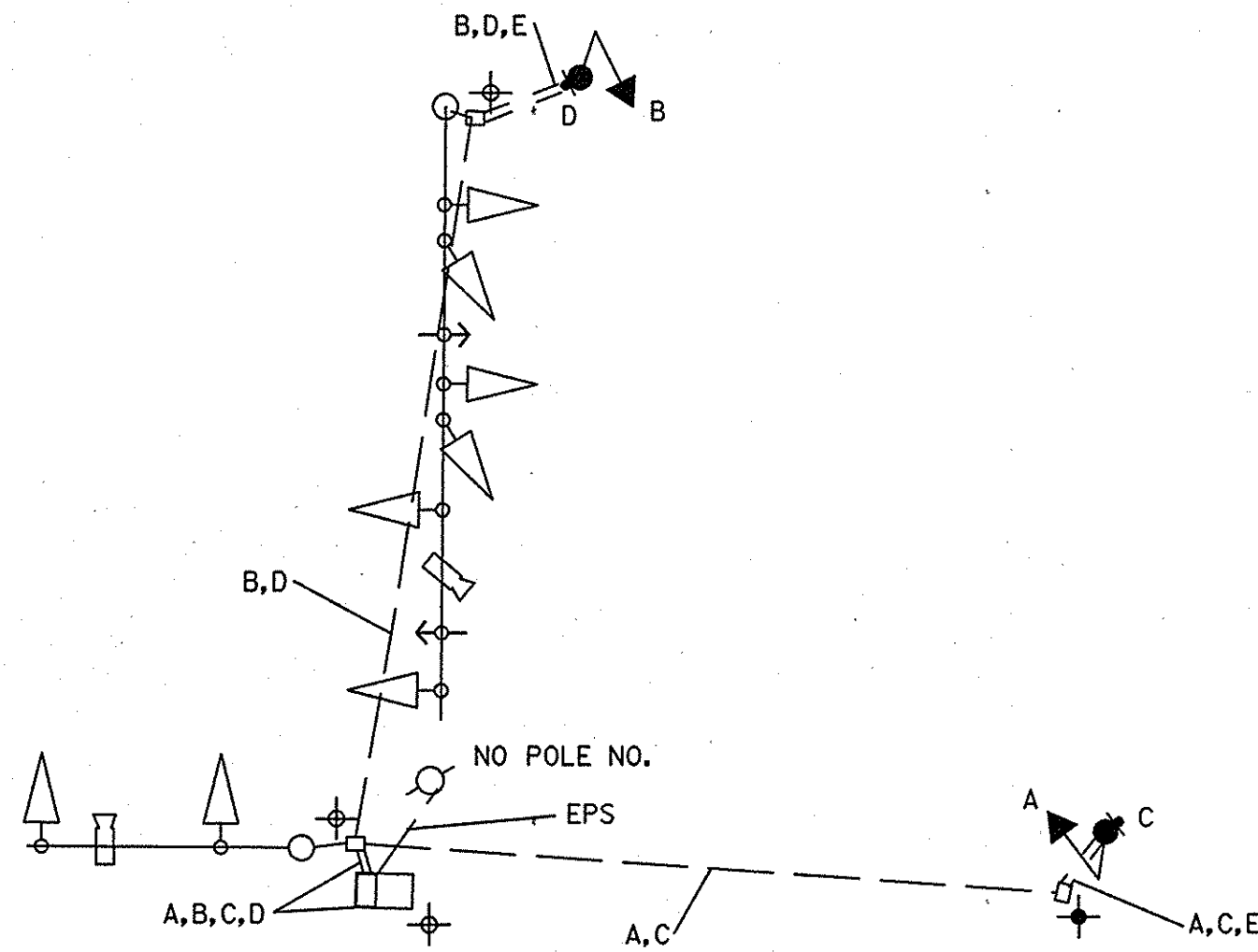
EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



- A - ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)  
B - ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)  
C - NO. 6 STANDARD BARE COPPER GROUND WIRE

- D - PROPOSED GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.  
E - EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.

EPS - EXISTING POWER SERVICE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
	R Y G	R Y G	R Y G	R Y G	R Y G 4	R Y G	R Y G	R Y G			
PHASE 2 AND 6	G	G	G	G	R	R	R	R	DW	DW	
PHASE 2 & 6 CHANGE	G	G	G	G	R	R	R	R	DW	DW	
PHASE 3	R	R	R	R	R	R	G	G	DW	DW	
PHASE 3 CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	
PHASE 3 ALT.	R	R	R	R	R	R	G	G	W	W	
PHASE 3 ALT. PED. CLEARANCE	R	R	R	R	R	R	G	G	FL/DW	FL/DW	
PHASE 3 ALT. CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	
PHASE 4	R	R	R	R	G	G	R	R	DW	DW	
PHASE 4 CHANGE	R	R	R	R	Y	Y	R	R	DW	DW	
PRE-EMPTION 01	G	G	R	R	R	R	R	R	DW	DW	
PRE-EMPTION 01 CHANGE	Y	Y	R	R	R	R	R	R	DW	DW	
PRE-EMPTION 02	R	R	G	G	R	R	R	R	DW	DW	
PRE-EMPTION 02 CHANGE	R	R	Y	Y	R	R	R	R	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 13 BUSINESS (N. SALISBURY BLVD)  
AT GORDY ROAD  
SALISBURY, MARYLAND

GENERAL INFORMATION

SCALE NONE ADVERTISED DATE 11/2007 CONTRACT NO. W3285374

DESIGNED BY MCG COUNTY WICOMICO  
DRAWN BY CCW LOGMILE 22801307.53  
CHECKED BY BAB TMS NO. 1156  
F.A.P. NO. TOD NO.

TS NO. 3822-C-GI DRAWING SG - 4 OF 6 SHEET NO. OF

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engineers/architects/planners/construction managers  
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